Dissemination of PrEP Innovations

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The Dissemination of PrEP Innovations

Outline

• Demand for PrEP in the US
  – Has reached a tipping point
• PrEP Uptake in San Francisco
  – Especially among people who benefit most
  – Diverse PrEP Providers
  – Including a Community Based Organization
• Impact on new infections in San Francisco
USA post FDA-approval surveillance conducted by Gilead

New PrEP Starts per Quarter

![Graph showing number of subjects starting PrEP from 2012 to 2015.]

- Total Unique Individuals = 8,512
- 332% increase

IMS National Prescription Database accounts for approx. 39% of all TVD prescriptions.
Estimating Total US PrEP Uptake

• 8512 by Q1 2015 in National Pharmacy db
• 39% of prescriptions represented
• Estimated ~22000 PrEP users (8512/39%)
• Does not include
  – MediCAID Public insurance
  – Gilead Patient Assistance
  – Medication provided in demonstration projects
Demand for PrEP reaches a tipping point in San Francisco in the 3rd QTR 2013¹

PrEP Service Providers in SF Bay Area

- HIV/ID Specialty Clinics
  - UCSF, Kaiser, One Medical,
  - Private HIV/ID providers
  - HIVE Perinatal HIV Clinic

- Sexual Health Clinics
  - Municipal (City Clinic)
  - Community Based (Magnet)

- Student Health Services
  - UCB and UCSF

- General Practitioners
  - SFGH Family Health Center, other GPs
The San Francisco AIDS Foundation
Magnet Sexual Health Services

• First PrEP client visited in November 16, 2014
  – >500 started PrEP in 9 months
• PrEP and PEP are provided
  – PrEP requesters sometimes qualify for PEP
  – PEP is transitioned without a gap to PrEP if risk is ongoing
  – Either PrEP or PEP is started the same day of screening
• Staffing
  – Directed and staffed by nurse practitioners
  – Peer Navigators (for adherence/insurance)
  – ID specialist on call
• Laboratory testing
  – Point of Care creatinine and HIV ab testing
  – Send out HBsAg
  – RNA testing in pools
nurx is the fastest way of getting oral contraceptives and PrEP

You tell us what medication you need.
Pick from our range of everyday medications from contraceptives, travel meds and refills. Then answer a few questions for our doctors.

Our doctors provide a prescription.
One of our doctors will review your request right away. If she needs more information or has relevant advice, she may call you before writing your prescription.

Medicine delivered to you in under 2 hours.
Our team of pharmacists will get your medications ready as soon as possible. Then we’ll rush them to your door with one of our bike couriers.

<table>
<thead>
<tr>
<th>Condomless AI Partners last 6 months</th>
<th>Street Survey (% EVER on PrEP)</th>
<th>NHBS (% ANY PrEP In 12 mos)</th>
<th>SFCC (% CURRENT PrEP Use)¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>9%</td>
<td>3%</td>
<td>8%</td>
</tr>
<tr>
<td>1</td>
<td>10%</td>
<td>4%</td>
<td>10%</td>
</tr>
<tr>
<td>2</td>
<td>11%</td>
<td>17%</td>
<td>16%</td>
</tr>
<tr>
<td>3-5</td>
<td>25%</td>
<td>30%²</td>
<td>33%</td>
</tr>
<tr>
<td>6 or more</td>
<td>63%</td>
<td></td>
<td>46%</td>
</tr>
<tr>
<td>% on PREP</td>
<td>15.5%</td>
<td>10.1%</td>
<td>11.2%⁴</td>
</tr>
<tr>
<td>No. on PrEP</td>
<td>5,059</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. SFCC asked specifically about condomless receptive anal intercourse partners.
2. NHBS collected detailed information on no more than 5 partners.
3. Percent using any PrEP in the past 12 months x 50,000 HIV negative population size.
4. Includes clients with missing data regarding ncRAI.

Grant CROI Abstract 25 Seattle 2015.
Epidemic Trends in San Francisco

Adapted from SF DPH, HIV Epidemiology Annual Report, Published September 2014
Continuum of Care San Francisco
HIV diagnosis rates continue at 93%

Figure 3.1  Continuum of HIV care among persons diagnosed with HIV infection, 2010-2013, San Francisco

1 Number of new diagnoses shown each year is based on the evidence of a confirmed HIV test and does not take into account patient self-report of HIV infection.
2 Defined as the latest viral load test during the specified period ≤ 200 copies/mL.

Adapted from SF DPH, HIV Epidemiology Annual Report, Published September 2014
Lessons Learned From Perinatal Transmission Prevention

Weber and Grant, JANAC 2015
Conclusions

• Scale up has occurred in San Francisco and contributed to a decline in HIV infections.
  – PrEP uptake is higher during periods of risk.
• PrEP providers are diverse
  – Specialists and Generalists
  – CBOs
  – College Clinics
  – Sexual Health and Contraception Clinics
• Scale up of prevention services builds on…
  – focus on the whole person having sexual goals,
  – normative guidance,
  – program integration,
  – multiple approaches,
  – review of each failure,
  – change makers,
  – compelling stories of human connection.
PrEP was made possible by mostly young study participants who believed that research could improve their lives.